Kang In **Park**

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Languages: Python, SQL, Bash   **Technologies:** Git, Snowflake, Airflow, Matillion   **Certificates:** CompTIA Security+

Education

New York University, Tandon School of Engineering   *New York, NY*

B.S. IN COMPUTER SCIENCE, MINOR IN CYBERSECURITY   *May 2023*

HONORS SCHOLAR   *Cumulative GPA: 3.6*

- Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Computer Architecture, Offensive Security, Computer Security, Operating Systems, Application Security, Applied Cryptography, Network Security, Software Engineering

Experience

Optimove   *New York, NY*

CUSTOMER DATA ENGINEER   *August 2023 - Current*

- Developed and maintained data transformation scripts in Snowflake, Microsoft SQL Server, and Airflow and designed custom ETL processes to ingest client data using Matillion ETL
- Investigated data discrepancies, implemented fixes in the data pipeline, and conducted QA to ensure good data hygiene
- Discussed business needs of clients to devise and coordinate technical data solutions, increasing value for clients using the Optimove platform

SecurityScorecard   *New York, NY*

INTERN   *June 2022 - August 2022*

- Implemented GeoIP awareness by tagging Masscan results with geographical data and managed Kafka data streams through Confluent Cloud and KSQL, allowing for optimal task allocation to Nmap agents based on geographical data
- Enhanced network efficiency by developing scheduled batch-logging functionality in Python for Datadog metrics
- Restructured custom NSE scripts with Lua for transitioning into a more reliable vulnerability API

Republic of Korea Air Force   *Chungju, South Korea*

AIRCRAFT MECHANIC   *August 2019 - May 2021*

- Collaborated with lead aircraft mechanics in diagnosing malfunctions within LRU components of the F-16 Fighting Falcon
- Accelerated workflow by automating bi-weekly tasks through use of VBScript and Regex pattern matching in Korean word documents
- Managed a team of three enlisted airmen and delegated operational tasks, transferring work knowledge for onboarding

NYU TRIO Scholars   *New York, NY*

PYTHON TUTOR   *March 2018 - May 2019*

- Provided one-on-one tutoring to 9 peer students in achieving academic goals through personalized tutoring sessions for the following courses: Data Structures and Algorithms, Introduction to Python
- Helped develop solid understanding of core programming concepts and data structures by devising structured tutoring sessions
- Prepared students for upcoming exams by designing practice problems around asymptotic analysis of algorithms

Projects

Twitter Hate Speech Analysis

- Conducted data analysis on a 50k Twitter data set related to the Russo-Ukrainian conflict sourced from Kaggle
- Performed data cleaning and analysis using Pandas and Jupyter Notebook and created visualizations using Matplotlib and NetworkX
- Used the Perspective API to categorize tweets based on toxicity level

KingdomBot - A Discord Chat Bot

- Delivered a Discord bot used by 5000+ users by utilizing Python and the Discord.py API to interface with 20+ servers
- Utilized PostgreSQL, AWS S3, and Heroku to save user data, store media assets, and host the chatbot

Activities

NYU OSIRIS Lab (Offensive Security, Incident Response, and Internet Security Lab)   *New York, NY*

LAB MEMBER

- Tested challenges for CSAW CTF Finals competition leveraging tools like Docker, Powershell, and VirtualBox
- Participated in online CTF competitions in categories such as cryptography, web, reverse engineering, and binary exploitation
- Identified vulnerabilities and devised exploits using attacks such as blind SQL injection, template injection, and rainbow tables